

In the Claims:

Please cancel Claims 1-23 and 44-72, without prejudice, and amend Claims 73 and 74 as indicated below. The status of all claims is as follows:

1-23. (Cancelled)

24. (Original) A liquid crystal display device comprising:

a first substrate;

a second substrate facing said first substrate;

a liquid crystal layer sealed between said first substrate and said second substrate;

a first electrode formed on said first substrate;

a second electrode formed said second substrate;

a first molecule orientation film formed on said first substrate so as to cover said first electrode;

a second molecule orientation film formed on said second substrate so as to cover said second electrode;

a first polarizing plate arranged outside of said first substrate; and

a second polarizing plate arranged outside of said second substrate in a crossed Nicol state to said first polarizing plate,

wherein:

in a non-driving state in which a driving voltage is not applied between said first electrode and said second electrode, liquid crystal molecules are oriented in a vertical direction to said first substrate and said second substrate by said first molecule orientation film and said second molecule orientation film, respectively;

on said first electrode, electrode patterns, which extend in a first direction parallel to a surface of said liquid crystal layer, are periodically repeated to be arranged at intervals of a first width in a second direction, which said second direction is parallel to the surface of said liquid crystal layer and is vertical to said first direction;

said electrode patterns, which are repeated to be arranged in said second direction, are mutually connected each other by connectors;

on said first electrode, a cutout pattern extending in said second direction is formed at substantially a greater second width than said first width; and

said liquid crystal molecules substantially tilt in said first direction in said driving state.

25. (Original) The liquid crystal display device as claimed in claim 24, wherein each of said electrode patterns is spaced from another electrode pattern adjacent and corresponding thereto in said first direction, by said cutout pattern.

26. (Original) The liquid crystal display device as claimed in claim 24, wherein further on said second substrate, rough patterns extending in said second direction are formed so as to cross said electrode patterns at a view from a vertical direction to said first substrate, and said electrode patterns adjacent to and corresponding to other electrode patterns in said second direction and at least a part of said connector are arranged under said rough patterns at said view from said vertical direction to said first substrate.

27. (Original) The liquid crystal display device as claimed in claim 24, wherein at least a part of said electrode patterns further mutually connects along an edge of an opening part of a pixel electrode.

28. (Original) The liquid crystal display device as claimed in claim 24, wherein each of said electrode patterns has a tapered shape in said first direction.

29. (Original) The liquid crystal display device as claimed in claim 24, wherein each of said electrode patterns has a shape which width becomes narrower toward a top edge in a step-wise shape.

30. (Original) The liquid crystal display device as claimed in claim 24, wherein further on said first substrate, third electrode patterns are formed so as to extend

along said cutout patterns at a same electric potential as said second electrode under said first electrode.

31. (Original) The liquid crystal display device as claimed in claim 30, wherein:

on said first electrode, a first region and a second region are formed so that said first direction in said first region vertically crosses said first direction in said second region; and

said third electrode extends along said first region and the second region on said first substrate.

32. (Original) The liquid crystal display device as claimed in claim 26, wherein said rough patterns are made up of convex patterns formed on said second substrate.

33. (Original) The liquid crystal display device as claimed in claim 26, wherein said rough patterns comprises repeated patterns in said first direction, in which said repeated patterns are repeated in said second direction at intervals of a period begin same as or equal to a repeat period in said second direction of said electrode patterns.

34. (Original) The liquid crystal display device as claimed in claim 24, wherein said first electrode comprises said first region where said electrode patterns are repeated and said second region which is covered with a uniform conducting film.

35. (Original) The liquid crystal display device as claimed in claim 24, wherein:

said connector comprises banded patterns, which width is substantially constant, extending in said second direction; and

said electrode patterns laterally extend from said banded patterns.

36. (Original) The liquid crystal display device as claimed in claim 35, wherein said electrode patterns are repeated to form in said second direction at intervals of a period which is more than $2\mu\text{m}$ and less than $15\mu\text{m}$.

37. (Original) The liquid crystal display device as claimed in claim 35, wherein a region of said electrode patterns is in a range of 35% through 65% of a region of said banded patterns.

38. (Original) The liquid crystal display device as claimed in claim 35, wherein:

each of said banded pattern has a width of approximate $22\mu\text{m}$ in said first direction; and

each of said electrode patterns has a width of $3.5 \pm 1\mu\text{m}$ at a basement connecting to said banded patterns, a length of approximate $15 \pm 5\mu\text{m}$ in said first direction, and forms a cutout pattern of approximate $8\mu\text{m}$.

39-72. Canceled.

73. (Currently Amended) The liquid crystal display device as claimed in claim-1, 24, wherein:

said liquid crystal layer is made up of a nematic liquid crystal and an optical hardened material of the optical hardened composite having a three-dimensional liquid crystal skeleton; and

said liquid crystal molecules and said three-dimensional liquid crystal skeleton of the optical hardened composite orient in different directions in said non-driving state, respectively.

74. (Currently Amended) The liquid crystal display device as claimed in claim 1, 24, wherein on said first substrate, a thin film transistor is formed so as to correspond to each of pixel electrodes and drives each of said pixel electrodes.